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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/911,409	07/25/2001	Tsuyoshi Tamura	110195	4925
25944	7590 06/14/2004		EXAMINER	
OLIFF & BERRIDGE, PLC			NGUYEN, KEVIN M	
P.O. BOX 19928 ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
	,		2674	17
			DATE MAILED: 06/14/2004	"/

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicant(s) Colored Action Summary Colored Action Summary Colored Institute Co			·				
Examiner Examiner		Application No.	Applicant(s)				
New In M. Nguyen 2974 Servind M. Nguyen 2974 Servind for Reply		09/911,409	TAMURA, TSUYOSHI				
- The MALING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time ruple be available under the provisions of 3 CFR 1-158(e). In so event, however, may a reply the timely filed the period for reply specified above is less than thirty (30) days, an apply with the statutory period will apply and will be considered streety. If the period for reply specified above is less than thirty (30) days, an apply with the statutory period will apply and will apply (6) (MONTH's form the mailing date of this communication. Falsar is reply within the sector extended price of the reply will, by defaults, cause he application is become AdMichORED (35 U.S.C. § 135). Falsar is reply within the sector extended price of the reply will, by defaults, cause he application is become AdMichORED (35 U.S.C. § 135). Falsar is reply within the sector extended price of the reply will, by defaults, cause he application is become AdMichORED (35 U.S.C. § 135). Falsar is reply within the sector extended price of the reply will by defaults, cause he application is become AdMichORED (35 U.S.C. § 135). Falsar is reply within the sector extended price of the reply will by defaults, cause he application is condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-1g is/are pending in the application. 4) Claim(s) 1-1g is/are pending in the application. 4) Claim(s) 1-1g is/are application is developed by the Examiner. 5) Claim(s) 1-2g 10 and 17 is/are rejected. 7) Claim(s) 1-3g 10 and 17 is/are rejected. 7) Claim(s) 1-3g 10 and 17 is/are objected to. 8) Claim(s) 1-2g 10 and 17 is/are objected to. 8) Claim(s) 1-2g 10 and 17 is/are objected to by the Examiner. 10) The derivation of the developed price of the pr	Office Action Summary	Examiner	Art Unit				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of three may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a raply be finely filled. - Extensions of three may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a raply be finely filled. - Extensions of three may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a raply be finely filled. - Extensions of three may be available under the provisions of 37 CFR 1.38(a). In no event, however, may a raply be finely filled. - If NO period for regly is specified above, the maximum statutory period will apply and expire 3X (a) MONTH's from the maining date of this communication. - Favor but regionally experiments are set of PR 1.704(a). - Status - If NO period for regly is specified above, the maximum statutory period will apply and expire 3X (a) MONTH's from the maining date of the communication, even if threely filled, may reduce any season and patterns, sensor for the maining date of the communication, even if threely filled, may reduce any sensor and patterns, sensor filled on the communication is non-final. 3)□ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4)□ Claim(s) 3.19 is/are pending in the application. 4)□ Claim(s) 3.29 and 1.11-fig is/are allowed. 6)□ Claim(s) 3.29 and 1.11-fig is/are allowed. 6)□ Claim(s) 3.29 and 1.11-fig is/are allowed. 7)□ Claim(s) 3.29 and 1.11-fig is/are allowed. 8)□ Claim(s) 3.29 and 1.11-fig is/are allowed. 10□ The above claim(s) filled on		Kevin M. Nguyen	2674				
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1)	A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICA - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communic - If the period for reply specified above is less than thirty (30) da - If NO period for reply is specified above, the maximum statuto - Failure to reply within the set or extended period for reply will, Any reply received by the Office later than three months after the	TION. 7 CFR 1.136(a). In no event, however, may a reation. 1 rys, a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MON by statute, cause the application to become AB	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
2a) This action is FINAL. 2b) This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 3.9 and 11-16 is/are allowed. 6) Claim(s) 1.2.9.10 and 17 is/are rejected. 7) Claim(s) 1.8 and 19 is/are objected to. 8) Claim(s) 1.2.9.10 and 17 is/are rejected. 7) The specification is objected to by the Examiner. 4Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received.	Status						
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	2) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO-1449 or PTO	Paper No(s) /SB/08) Paper No(s) Notice of In)/Mail Date formal Patent Application (PTO-152)				

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DETAILED ACTION

During the personal interview with the applicant's representative on May 24, 2004, the rejection of the previous Office action is hereby withdrawn. Applicant's letter filed on May 24, 2004 has been entered. However, the claims 1, 2, 9, 10, 17 have been rejected in view of the newly discovered reference(s) to Ohguchi (US 5,493,329). Rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. <u>Claims 1, 2 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Ohguchi (US 6,329,973).</u>

As to claim 1, Ohguchi teaches a memory-incorporated driver for display device (fig. 1) comprising

[lines 3-4 of claim 1]

A first bus line (a transmission line is from a switch 22 to a buffer memory 42, fig. 3) transfers a buffer memory for still pictures 42, a second bus line (a transmission line is from a switch 22 to a buffer memory 41, fig. 3) transfers a buffer memory for moving pictures 41 (col. 3, lines 6-9);

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[lines 5-6 of claim 1]

a portion of buffer memory 42 for still pictures is also used in the case of moving picture, thereby making it possible to use the same buffer memory commonly to both of the buffer memories (fig. 3, col. 3, lines 31-35).

[lines 7-9 of claim 1]

reference numeral 31 denotes a memory controller for carrying out picture write and picture read control of buffer memory 41 (fig. 3, col. 3, lines 17-19). When a request for a still picture is given by depressing a predetermined key of the keyboard on the receiver side (a given command, col. 4, lines 21-22).

[lines 10-12 of claim 1]

reference numeral 32 denotes a memory controller for carrying out picture write and picture read control of buffer memory 42 (fig. 3, col. 20, lines 22). Fig. 2 is an explanatory view of picture conversion in the picture transmission system of this invention (a display section, col. 2, lines 12-13).

As to claim 2, Ohguchi teaches the memory comprising switches 21, 22 are switched to the still picture transmission side in a direction opposite to that of fig. 3 (col. 3, lines 44-45). Switches 21, 22 are switched to the moving picture transmission side as shown in fig. 3 (col. 3, lines 36-37) in which reference numeral 31 denotes a memory controller for carrying out picture write and picture read control of buffer memory 41 (fig.

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3, col. 3, lines 17-19). Reference numeral 32 denotes a memory controller for carrying out picture write and picture read control of buffer memory 42 (fig. 3, col. 20, lines 22). Picture signals are output from buffer memories 41, 42, they are sent in the state where they are caused to undergo sequencing so that they are arranged in series (col. 3, line 66 to col. 4, line 2).

As to claim 17, Ohguchi teaches the operations of memory controllers 31, 32 are both controlled by a signal from CPU (fig. 3, col. 3, lines 22-24).

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 9 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ohguchi in view of Ishikawa (US 5,444,458).

As to claims 9 and 10, Ohguchi teaches of the claimed limitations except for RAM-incorporated column driver, and row driver.

However, Ishikawa teaches the D/Dseg 38a and 38b comprise display VRAMs 40a and 40b, respectively, and the LCD 32 is driven in accordance with the display data written in the display VRAMs 40a and 40b as a bit map pattern (fig. 1, col. 3, lines 17-20) and a common display driver D/Dcom 39 (fig. 1, col. 3, line 15-16).

It would have been obvious to a person of ordinary skill in the art at the time of the invention to provide Ohguchi's memory including the D/Dseg 38 incorporated VRAM

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40 and D/Dcom 39, in view of the teaching in the Ishikawa's reference because this would provide a display control device in which the software designing burden in order for storing display data output from the CPU into the display memory, can be reduced as taught by Ishikawa (col. 2, lines 13-16).

Allowable Subject Matter

- 4. Claims 3-8, 11-16 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter:

Ohguchi does not teach [recited in lines 7-21 of claim 3].

- 6. Claim 18 and 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. The following is a statement of reasons for the indication of allowable subject matter:

Ohguchi does not teach [recited in lines 5-13 of claim 18].

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Kevin M. Nguyen** whose telephone number is **703-305-6209**. The examiner can normally be reached on MON-THU from 9:00-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard A Hjerpe** can be reached on **703-305-4709**.

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Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Kevin M. Nguyen Patent Examiner Art Unit 2674

KN June 9, 2004

> XIAO WU PRIMARY EXAMINER